

Patent Abstracts of Japan

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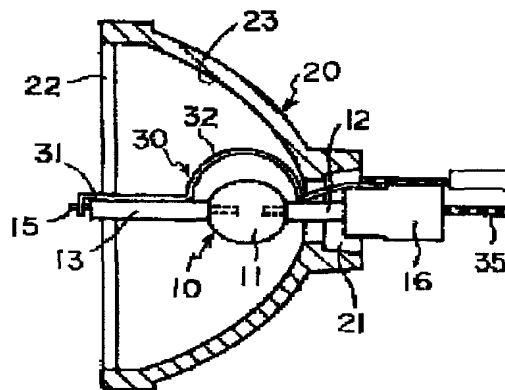
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TITLE : LIGHT SOURCE DEVICE



**ABSTRACT :** PROBLEM TO BE SOLVED: To provide a light source device for a liquid-crystal projector which can prevent the shadow of the conducting wiring of a lamp from clearly appearing on a screen even if an integrator lens is used.

**SOLUTION:** This device includes a metal halide lamp 10 of the sealed-end type, in which sealing parts 12, 13 are integrated with both ends of a light-emitting tube 11, and a concave reflector 20, one 12 of the sealing parts of the lamp being mounted and held in an opening 21 at the root of the concave reflector, the other sealing part 13 being extended toward an opening 22 at the end of the concave reflector. In this case, conducting wiring 30 located on the sealing part 13 extended toward the opening 22 at the end of the concave reflector is oriented toward the light emitting tube 11 along the sealing part 13 and is then spaced from the light emitting tube 11 from its position near the light emitting tube 11, so that the distance between the portion 32 of the conducting wiring 30 which receives the light reflected by the concave reflector 30 and which is spaced from the light emitting tube 11 and an integrator lens is increased.

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